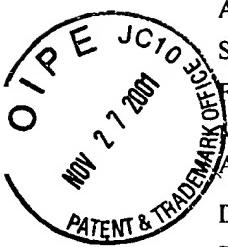


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Hom et al. Examiner: Unknown
Serial No.: 09/816,876 Group Art Unit: 1645
Filed: March 23, 2001 Docket: 13615.1USU2
Notice of Allow. Date:
Due Date: n/a Batch No.:
Title: METHODS TO TREAT ALZHEIMER'S DISEASE

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the paper(s), as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: BOX IDS, Commissioner for Patents, Washington, D.C. 20231, on November 6, 2001.

By: 
Karen Olsen

BOX IDS
Commissioner for Patents
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- Transmittal Sheet in duplicate containing Certificate of Mailing
- Supplemental Information Disclosure Statement, Form 1449, 2 boxes Reference(s)
- Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers or any future reply, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.
P.O. Box 2903, Minneapolis, MN 55402-0903
612.332.5300

By: 
Name: Matthew A. Doscotch
Reg. No.: 48,957
MAD:ko



Suppl. IDS #8
JL 11/29/01

S/N 09/816,876



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HOM ET AL. Examiner: UNKNOWN
Serial No.: 09/816,876 Group Art Unit: 1645
Filed: MARCH 23, 2001 Docket No.: 13615.1USU2
Title: METHODS TO TREAT ALZHEIMER'S DISEASE

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on November 6, 2001.

By: Karen Olsen

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
(37 C.F.R. §1.97(b))

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided. Applicants also maintain a CD ROM with images of these references and those references submitted on the initial Information Disclosure Statement for the convenience of the Examiner. The Examiner is requested to contact the undersigned attorney for the CD ROM and it will be sent directly to the Examiner.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or

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otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,
MERCHANT & GOULD P.C.
P.O. Box 2903
Minneapolis, MN 55402-0903
612.371.5271

Date: November 6, 2001

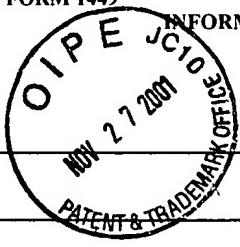


By:
Name: Matthew A. Doscotch
Reg. No. 48,957
MAD:ko

Date Mailed: 11/6/01

Sheet 1 of 7

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION <small>(Use several sheets if necessary)</small>			Docket Number: 13615.1USU2	Application Number: 09/816,876
			Applicant: Hom ET AL.	
			Filing Date: 3/23/01	Group Art Unit: 1645



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,522,811	06/11/1985	Eppstein et al.			
	4,616,088	10/07/1986	Ryono et al.			
	4,636,491	01/13/1987	Bock et al.			
	4,665,193	05/12/1987	Ryono et al.			
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	5,142,056	08/25/1992	Kempe et al.			
	5,175,281	12/29/1992	McCall et al.			
	5,387,742	02/07/1995	Cordell			
	5,441,870	08/15/1995	Seubert et al.			
	5,461,067	10/24/1995	Norbeck et al.			
	5,481,011	01/02/1996	Chen et al.			
	5,482,947	01/09/1996	Talley et al.			
	5,502,061	03/26/1996	Hui et al.			
	5,502,187	03/26/1996	Ayer et al.			
	5,508,294	04/16/1996	Vazquez et al.			
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	5,510,388	04/23/1996	Vazquez et al.			
	5,516,784	05/14/1996	Bennett et al.			
	5,521,219	05/28/1996	Vazquez et al.			
	5,545,640	08/13/1996	Beaulieu et al.			
	5,593,846	01/14/1997	Schenk et al.			
	5,604,102	02/18/1997	McConlogue et al.			
	5,610,190	03/11/1997	Talley et al.			
	5,612,486	03/18/1997	McConlogue et al.			
	5,631,405	05/20/1997	Pal et al.			
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	5,648,511	07/15/1997	Ng et al.			

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Docket Number: 13615.1USU2	Application Number: 09/816,876
			Applicant: Hom ET AL.	
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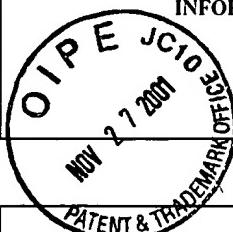
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EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	TECH CENTER 1600 FILING DATE IF APPROPRIATE NOV 20 2001
	5,720,936	02/24/1998	Wadsworth et al.			
	5,721,130	02/24/1998	Seubert et al.			
	5,733,882	03/31/1998	Carr et al.			
	5,744,346	04/28/1998	Chrysler et al.			
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	5,830,897	11/03/1998	Vazquez et al.			
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	5,877,015	03/02/1999	Hardy et al.			
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	6,150,344	11/21/2000	Carroll et al.			
	6,153,652	11/28/2000	Wu et al.			

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)				Docket Number: 13615.1USU2	Application Number: 09/816,876
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				Filing Date: 3/23/01	Group Art Unit: 1645



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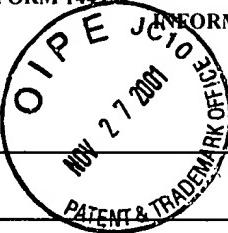
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	6,191,166 B1	02/20/2001	Audia et al.			
	6,221,670 B1	04/24/2001	Cordell et al.			
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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES
	0 609 625 A1	08/10/1994	Europe			
	0 652 009 A1	05/10/1995	Europe			
	WO 94/04492	03/03/1994	PCT			
	WO 95/06030	03/02/1995	PCT			
	WO 98/22597	05/28/1998	PCT			
	WO 00/17369	03/30/2000	PCT			
	WO 00/47618	08/17/2000	PCT			
	WO 00/56335	09/28/2000	PCT			
	WO 00/61748	10/19/2000	PCT			
	WO 00/69262	11/23/2000	PCT			
	WO 00/77030	12/21/2000	PCT			
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	WO 01/00665 A2	01/04/2001	PCT			
	WO 01/19797 A2	03/22/2001	PCT			
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	WO 01/51659 A2	07/19/2001	PCT			
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		Alterman et al., <i>J. Med. Chem.</i> , 1998, 41, 3782-3792 Design and Synthesis of New Potent C ₂ -Symmetric HIV-1 Protease Inhibitors. Use of L-Mannar Acid as a Peptidomimetic Scaffold				

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		Applicant: Hom ET AL.	
		Filing Date: 3/23/01	Group Art Unit: 1645

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		Balicki et al., <i>Synth. Comm.</i> , 1993, 23(22), pp. 3149-3155 Mild and Efficient Conversion of Nitriles to Amides with Basic Urea-Hydrogen Peroxide Adduct	
		Barton, <u>Protective Groups in Organic Chemistry</u> , 1976, Chpt. 2, pp. 43-93 Protection of N-H Bonds and NR	
		Basu et al., <i>Tetrahedron Letters</i> , 1998, 39, pp. 3005-3006 Efficient Transformation of Nitrile into Amide under Mild Condition	
		Bennett et al., <i>Synlett</i> , 1993, 9, pp. 703-704 The Synthesis of Novel HIV-Protease Inhibitors via Silica Gel Asisted Addition of Amines to Epoxides	
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		Bodendorf et al., <i>The Journal of Biological Chemistry</i> , 2001, 276:15, pp. 12019 - 12023 A Splice Variant of β-Secretase Deficient in the Amyloidogenic Processing of the Amyloid Precursor Protein	
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		Calderwood et al., <i>Tetrahedron Letters</i> , 1997, 38:7, pp. 1241 - 1244 Organocerium Reactions of Benzamides and Thiobenzamides: A Direct Synthesis of Tertiary Carbinamines	
		Chen et al., <i>Tetrahedron -Mannaric Acid Letters</i> , 1997, 38:18, pp. 3175 - 3178 A Practical Method for the Preparation of α'-Chloroketones of N-Carbamate Protected-α-Aminoacids	
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		Emilien, et al., <i>Neurological Review</i> , 2000, 57, pp. 454-459 Prospects for Pharmacological Intervention in Alzheimer Disease	

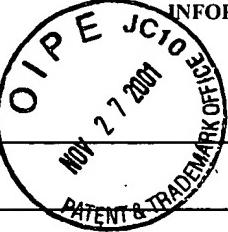
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		Felman et al., <i>J. Med. Chem.</i> 1992, 35:7, pp. 1183-1190 Synthesis and Antiulcer Activity of Novel 5-(2-Ethenyl Substituted)-3(2H)furanones		
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		Gao et al., <i>Tetrahedron Letters</i> , 1994, 50:4, pp. 979-988 Asymmetric Hetero Diels-Alder Reaction Catalyzed by Stable and Easily Prepared CAB Catalysts		
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		Hardy, <i>Nature Genetics</i> , 1992, 1, pp. 233-234 Framing β -Amyloid		
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		Hussain et al., <i>Molecular and Cellular Neuroscience</i> , 1999, 14, pp. 419-427 Identification of a Novel Aspartic Protease (Asp 2) as β -Secretase		
		Kabalka et al., <i>Synth. Comm.</i> , 1990, 20(10), pp. 1445-1451 The Transformation of Nitriles into Amides		
		Kang et al., <i>Nature</i> , 1987, 325:6106, pp. 733-736 The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor		
		Kitaguchi et al., <i>Nature</i> , 2/11/1988, 331:6156, pp. 530-532 Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity		
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		Lakouraj et al., <i>Indian Journal of Chemistry</i> , 1999, 38B, pp. 974-975 Selective Conversion of Nitriles to Amides by Amberlyst A-26 Supported Hydroperoxide		
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		Luo et al., <i>Nature Neuroscience</i> , 3/2001, 4:3, pp. 231-232 Mice Deficient in BACE1, the Alzheimer's β -secretase, have Normal Phenotype and Abolished β -amyloid Generation		
		March, <i>Advanced Organic Chemistry: Reactions, Mechanisms, and Structure</i> , 3d Ed., pp. 380-381 Aliphatic Nucleophilic Substitution		
		Mashraqui et al., <i>J. Am. Chem. Soc.</i> , 1982, 104, pp. 4461-4465 Cyclophanes. 14. Synthesis, Structure Assignment, and Conformational Properties of [2.2](2,5)Oxazolo- and Thiazolophanes		

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
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		Miyaura et al., <i>Chem. Rev.</i> , 1995, 95, pp. 2457-2483 Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds		
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		Norman et al., <i>J. Med. Chem.</i> , 2000, 43, pp. 4288-4312 Structure-Activity Relationships of a Series of Pyrrolo[3,2-d]pyrimidine Derivatives and Related Compounds as Neuropeptide Y5 Receptor Antagonists		
		Owa et al., <i>J. Med. Chem.</i> , 1999, 42, pp. 3789-3799 Discovery of Novel Antitumor Sulfonamides Targeting G1 Phase of the Cell Cycle		
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		Sebti et al., <i>Tetrahedron Letters</i> , 1996, 37:36, pp. 6555-6556 Catalyse Heterogène de L'Hydratation des Nitriles en Amides par le Phosphate Naturel Dope par KF et le Phosphate Trisodique		
		Selkoe, <i>Neuron</i> , 1991, 6:4, pp. 487-498 The Molecular Pathology of Alzheimer's Disease		
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		Smith et al., <i>Advanced Organic Chemistry - Reactions, Mechanisms and Structure</i> , 2001, 5ed., Chpt. 19, pp. 1552-1554 Reduction of Carboxylic Acids and Esters to Alkanes		
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Sheet 7 of 7

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)			Docket Number: 13615.1USU2	Application Number: 09/816,876
			Applicant: Hom ET AL.	
			Filing Date: 3/23/01	Group Art Unit: 1645

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		Wang et al., <i>Synlett</i> , 6/2000, 6, pp. 902-904 Preparation of α-Chloroketones by the Chloroacetate Claisen Reaction		
		Werner et al., <i>Organic Syntheses</i> , 1973, Collective Vol. 5, pp. 273-276 Cyclobutylamine*		TECH CENTER 1600/2900
		Wilgus, et al., <i>Tetrahedron Letters</i> , 1995, 36:20, pp. 3469-3472 The Acid-Catalyzed and Uncatalyzed Hydrolysis of Nitriles on Unactivated Alumina		NOV 28 2001
		Yan et al., <i>Nature</i> , 12/1999, 402:6761, pp. 533-537 Membrane-anchored Aspartyl Protease with Alzheimer's Disease β-secretase Activity		RECEIVED



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